PROJECT 10073 RECORD CARD

1. DATE 26 September 1962	2. LOCATION Israel, Cairo, Egypt	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☒ Was Astronomical Meteor ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other_____ ☐ Insufficient Data for Evaluation ☐ Unknown
3. DATE-TIME GROUP Local _____ GMT 26/1600Z	4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	
5. PHOTOS ☒ Yes ☐ No	6. SOURCE Civilian	
7. LENGTH OF OBSERVATION 4-5 seconds	8. NUMBER OF OBJECTS one	9. COURSE Northerly

10. BRIEF SUMMARY OF SIGHTING

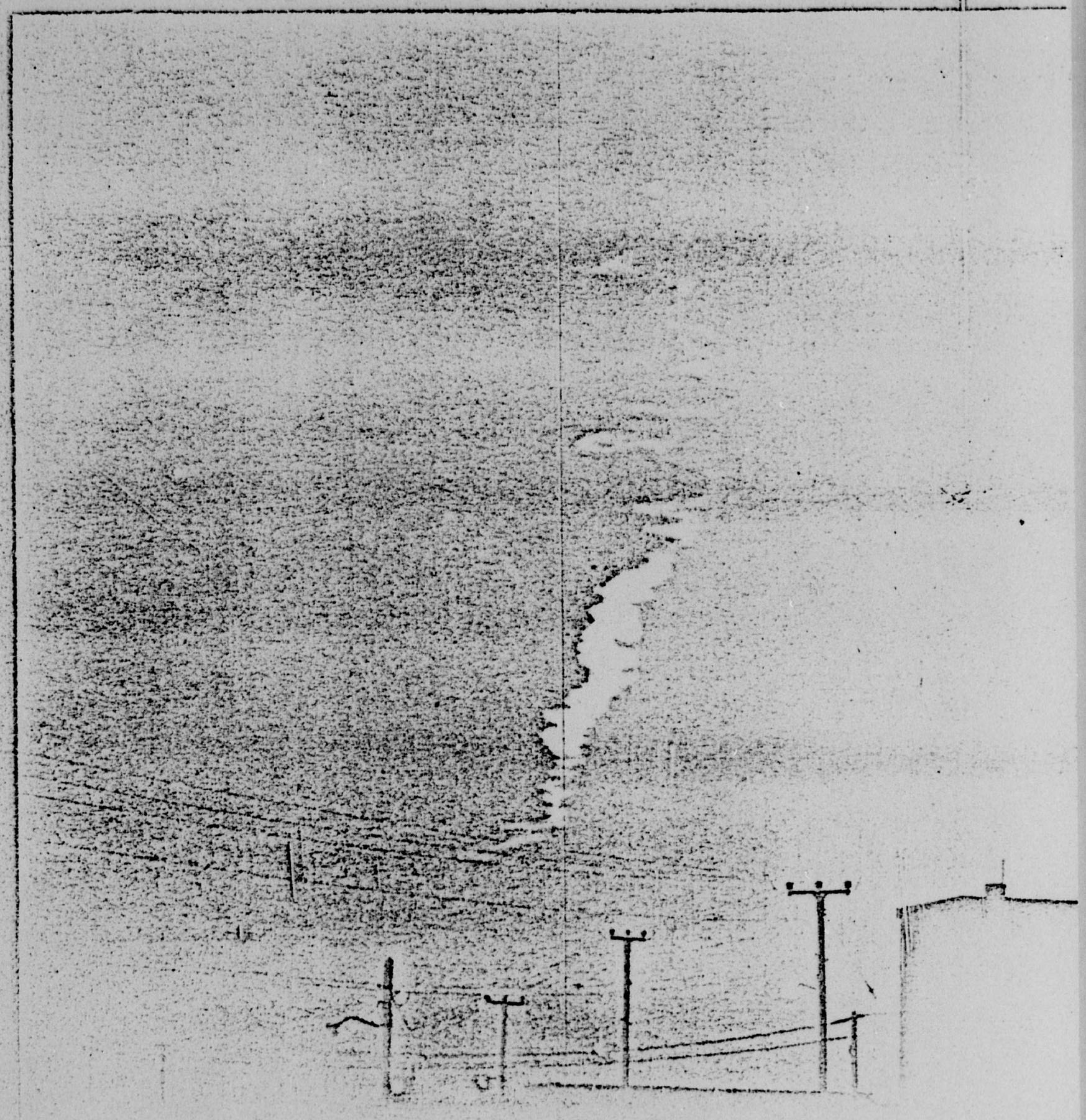
Luminous obj traveling SE to North. Observed fm Port Said trailing white smoke at approximately 81,000ft. Obj fell into Mediterranean Sea. Smoke visible for 5 minutes after descent. Same object observed fm Israel in several locations. Photographs of smoke taken. Trail persisted fm 1544Z until 1617Z. Photos taken at 1615Z

11. COMMENTS

Meteor.

ATIC FORM 329 (REV 26 SEP 52)

Sky and Telescope



Sky and TELESCOPE

CHARLES A. FEDERER, JR., *Editor*
JOSEPH ASHBROOK, *Technical Editor*

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Vol. XXVI, No. 1 JULY, 1963

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COVER: On September 26, 1962, shortly after sunset, a brilliant fireball was seen throughout Israel from places as widely separated as 400 kilometers. Nathan Sadan, at Beersheeba in southern Israel, took the front-cover photograph of the meteor's long-enduring train. He used a Rolleiflex camera at f/4, exposure 1/125 second on Ilford FP3 film. At his location the train was 30-40 degrees above the horizon. (See adjoining column.)

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Fireball Train Observed Over Israel

EVERY meteor observer's dream is sometime to witness a really great fireball. My dream became true on the evening of September 26, 1962, at the village where I am a science teacher, about 20 kilometers south of Haifa and three kilometers from the coast. It was about 15 minutes after sunset, and I had gone on a short walk to enjoy a fine, perfectly cloudless evening.

At 15:46 Universal time, I was looking toward the point where the sun had set, when suddenly my attention was caught by a burst of light to my left. Turning, I saw a great drop of brilliant white light descend slowly down the sky, leaving an extremely intense sharp train, whose brightness swiftly spread backward along its length.

I estimated the duration of fall as three seconds, but perhaps it was much less. The fireball first appeared 12 or 18 degrees above the horizon (I could not be sure as I was facing in another direction), and disappeared at four to five degrees. The path was inclined 70 degrees westward to the horizon, and the azimuth of the point of disappearance was 15 degrees west of south, as estimated afterward from Polaris.

This fireball was intermediate in brightness between Venus and the full moon, probably nearer the latter, and its hue resembled the white of burning magnesium ribbon.

The train was at first intensely white, but within seconds it changed into a column of very strongly red and orange clouds, these tints undoubtedly influenced by the sunset. The train thickened and slowly became distorted into zigzags. As a whole, the train did not drift, but remained suspended without movement in the sky.

Slowly fading and becoming white once more, the last scattered clouds of the train could be seen until 16:22 — that is, 36 minutes after the fall. Undoubtedly I could have traced it longer if I had had a field glass.

I informed the press and radio, and my report was broadcast with the 9 p.m. news. From the extensive accounts in the next morning's newspapers, I learned that this phenomenon had been witnessed by many people throughout Israel.

Fortunately, one of these observers was Nathan Sadan, in Beersheeba, about 250 kilometers south of Haifa. I first saw his picture of the train (see front cover) in a newspaper, and he kindly supplied a print for SKY AND TELESCOPE.

ELI METZGER
21 Rosen St.
Ramat-Chen (Tel-Aviv)
Israel

[redacted]

UNCLASSIFIED

Detachment 3 (European Office)
Foreign Technology Division
UNITED STATES AIR FORCE
APO 633, New York, N.Y.

5 Okt. 1962

REPLY TO
ATTN OF: ITIME

SUBJECT: [redacted] - Entry of Unknown Space Object as Reported by USAIRA, Tel Aviv

TO: FTD (TD-B1)
Wright-Patterson AFB, Ohio

1. [redacted] Reference ITIME message (C) 41903X dated 27 Sep 1962. Thermofax copy of Operational Immediate message, C-059, received from the Air Attache, Tel Aviv, is attached.

2. [redacted] A preliminary analysis indicates that a meteor or decaying artificial space object was apparently consumed prior to ground impact. This Detachment has no information or rumor of actual impact of an object at that time. Reports from the Air Attache, Cairo, which could help locate the nadir point, are presently being requested. Any further collection will be forwarded.

3. (UNCLASSIFIED) This correspondence is classified [redacted] since it reflects intelligence information, the unauthorized disclosure of which could adversely affect the national defense.

FOR THE COMMANDER

WALTER W. LONG
Lt Colonel, USAF
Chief, Missiles &
Electronics Division

1 Atch
(CONF) Fax cy CCT-36467

Copy to TD-A2d

Classification Cancelled
(or changed to UNCLAS)
Auth. Director DOP
By
Date 12 MAY 1969
AFR 205-1, Par 2-17a
3 Jan 68

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[redacted]

[redacted]

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Classification Cancelled
(or changed to UNCLAS
Auth. Director TDP
By
Date 12 MAY 1969
AFR 205-1, par 2-17e
3 Jan 68

OPERATIONAL IMMEDIATE
CR 38-28-9
TOO 281300Z (SECTION 1 OF 11))

FM USAIRA TEL AVIV
TO NO USAFE LINDSEY AS
INFO 1127 USAFLDACTYSGP FT BELVOIR

[redacted] CITE C-059. USAFE FOR IDCA. REF UR ITIME 41905 AND MY C 056 [redacted] ADDITIONAL INFORMATION ON SIGHTING BY AIRA. LOCATION FIRST OBSERVED FROM 32 DEGREES 24 MINUTES NORTH 34 DEGREES 52 MINUTES 30 SECONDS EAST. AIRA CONTINUED DRIVING SOUTH TO 32 DEGREES 07 MINUTES 30 SECONDS NORTH 34 DEGREES 51 MINUTES EAST. TIME OF FIRST SIGHTING WAS 1544Z AND TIME OF ARRIVAL AT SECOND POSITION 1615Z. VAPOR TRAIL WAS VISIBLE UNTIL APPROX 1617Z. AZIMUTH OF FIRST SIGHTING WAS APPROX 50 DEGREES ABOVE HORIZON WITH SLIGHTLY ARCED DESCENT TOWARD EAST AT OVERALL ANGLE OF 18 DEGREES FROM VERTICAL. DESCENT APPEARED AS WHITE FALLING STAR TO APPROX 35 DEGREES ABOVE HORIZON, CHANGING TO GREENISH BLUE AND DESCINDING TO APPROX 25 DEGREES ABOVE HORIZON, CHANGING TO ORANGE FIREBALL EFFECT DESCENDING TO HORIZON. TOTAL LAPSED TIME OF DESCENT WAS 4 OR 5 SECONDS. DIRECTION WAS APPROX 190 DEGREES FROM OBSERVER AND TRAIL VISIBLE THROUGHOUT TIME AIRA
WAS DRIVING TO 2ND POSITION. 3 OTHER PERSONNEL IN CAR OBSERVED EVENT IN SAME MANNER. WEATHER WAS CLEAR, VISIBILITY UNLIMITED AND NO RPT NO SOUNDS WERE HEARD. TRAIL THAT FOLLOWED EVENT LEFT THIN PENCIL-LINE VAPOR FOR UPPER HALF OF VISIBLE TRAJECTORY BROADENING TO FAIRLY THICK - VAPOR TRAIL APPROX 25 DEGREES ABOVE HORIZON. ASST AIR ATTACHE DID NOT RPT DID NOT SEE PHENOMENON DURING DESCENT BUT SIGHTED TRAIL APPROX 1546Z. BETWEEN 1549Z AND 1551Z HE TOOK 9 EXPOSURES OF TRAIL WITH 13.5CM LENS FROM HIS HOME AT 32 DEGREES 10 MINUTES 10 SECONDS NORTH, 34 DEGREES 48 MINUTES 55 SECONDS EAST. DESPITE FACT THAT SKY WAS BECOMING QUITE DARK, PHOTOGRAPHS TURNED OUT WELL AND CLEARLY SHOW ANGLE OF DESCENT TO BE ONLY 18 DEGREES OFF VERTICAL. PHOTOS TO BE FORWARDED BY IR. FROM HIS POINT OF OBSERVATION DIRECTION AGAIN WAS APPROX 190 DEGREES AND

AXIMUTH OF THE TOP OF THE TRAIL APPROX AS REPORTED ABOVE. PICTURES CONFIRM AIRA'S OBSERVATION THAT UPPER HALF OF TRAIL DISPERSED FAIRLY RAPIDLY BECAUSE OF WIND VELOCITY AND WIND SHEAR BUT LOWER HALF OF TRAJECTORY REMAINED FAIRLY CONSTANT THROUGHOUT TIME TRAIL WAS VISIBLE. PRESS REPORTS IN ISRAEL REVEAL THAT THIS PEHNOMENON OBSERVED BY THOUSANDS OF PEOPLE ALL THE WAY FROM METULLA TO EILAT. A SCIENCE TEACHER, MR [redacted] WHO IS MEMBER OF BOTH AMATEUR ASTRONOMERS SOCIETY IN JERUSALEM AND AMERICAN METEOR SOCIETY OF PENNSYLVANIA REPORTED HE SAW FROM A POINT NEAR HAIFA A LUMINOUS BODY AT 5:45 PM FALL SLOWLY IN SOUTH SOUTHWESTERLY DIRECTION AND VANISH 4 SECONDS LATER AT ABOUT 5 DEGREES ABOVE HORIZON. ITS WHITISH LIGHT HE SAID WAS ALMOST AS BRIGHT AS THAT OF THE MOON. JUDGING BY TAIL OF THE LIGHT THAT REMAINED FOUR 40 MINUTES HE THOUGHT WAS EXCEPTIONALLY LARGE METOR. [redacted] ENGINEER WATCHED A BRIGHT LIGHT AT A DISTANCE OF "30 KILOMETERS". IT BURNED A BLUISH WHIE AND LEFT A TRAIL OF SMOKE VISIBLE FOR 50 MINUTES. PHENOMENON WAS DESCRIBED AS A FIREBALL BY PRO YA ACOV BENTOR, DIRECTOR OF DEVELOPMENT MINISTRY GEOLOGICAL SURVEY. HE EXPLAINED TO REPORTERS THAT IT WAS A PIECE OF COSMIC METAL OR STONE ATTRACTED BY THE EARTH GRAVITY. IN GENERAL THESE REPORTS TEND TO CONFIRM OBSERVATIONS AS REPORTED BY THIS OFFICE ALTHOUGH THERE ARE MORE SPURIOUS REPORTS BY PEOPLE WHO THINK THAT THEY SAW PHENOMENON GOING UP RATHER THAN COMING DOWN, THAT PHENOMENON WAS ROCKET LAUNCHED FROM JORDAN, ROCKET LAUNCHED FROM SAUDI ARABIA, ETC. AIRA 100 PERCENT POSITIVE AND PICTURES PROVE THESE SPURIOUS REPORTS INCORRECT.

T

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DCS/INTELL INCOMING MSG
ACTION: 2-ITI
INFO: 1-IDI
1-IAIW
1-ICO
1-IEC
1-IAC

Atch #1

T36467 II

[redacted]

CIT [illegible] DC

UNCLASSIFIED

[illegible] 28 SEP 62

[illegible]

[illegible] (SECTION II OF II)

[illegible] TEL AVIV

[illegible] LINDSEY AS

INFO [illegible] SIFLDACTYSGP FT BELVOIR

[redacted] CITE C-059. REPORT FROM EILAT BY UNQUALIFIED OBSERVER "A FIREBALL DESCENDED FROM THE HEAVENS AND DISAPPEARED BEHIND A HILL IN THE SINAI PENINSULA". ALL REPORTS GIVEN TO IDF INDICATE THAT DESCENT NOT IN ISRAELI TERRITORY BUT THAT DESCENT PROBABLY IN SINAI OR RED SEA AREA. BELIEVE THIS EVENT SHOULD HAVE BEEN OBSERVED IN CAIRO AND POSSIBLY JIDDAH AND KARTOUM. ALSO IT SHOULD HAVE BEEN OBSERVED FROM ALL SHIPPING IN RED SEA AND SUEZ AREA AT THE [illegible]. NO RPT NO OBSERVER IN ISRAEL REPORTED ANY SOUND. SUGGEST [illegible] PLACES AND SHIPPING BE QUERIED. ASCP-3.

Classification Cancelled
(or changed to UNCLAS
Auth: Dwight TOP
By [illegible]
Date 12 MAY 1958
AFR 205-1, Par 7-102
3 Jan 68

[illegible] INTERVALS
[illegible] YRS.

DOWNGRADED
DATE [illegible]

DCS/INTEL [illegible]
ACTION: [illegible]
INFO: [illegible]

UNCLASSIFIED

INCOMING TELEGRAM *Department of State*

[redacted] UNCLASSIFIED

53
Action
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USIA
NSC
INR
CIA
NSA
OSD
ARMY
NAVY
AIR
NASA
RMR

AF IN : 22611 (28 Sep 62) L/dsk

Control: 21659
Rec'd: September 27, 1962
2:28 p.m.

FROM: Port Said

TO: Secretary of State

NO: 7, September 27, 3 p.m.

FOR SSA

Re CW 9986, luminous object sighted by Consulate member near Port Said September 26 1600 hours GMT. Flaming object travelling southeast to north trailing white smoke at approximate 81,000 feet. Object fell into Mediterranean Seat north Port Fuad. Object not recovered but smoke visible for five minutes after descent. Airgram report follows.

WALTERS

MRJ

Classification Cancelled
(or changed to UNCLAS
Auth Regulations TDP
By Quintanilla
Date 12 MAY 1969
AFR 205-1, Par 2-11 a
3 Jan 68

AF DIST: CIN-9, SAFS-3, XPD-3, OOP-CP-I, OOP-2 (18)

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DOD DIR 5200.10

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[redacted]

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PROJECT 10073 RECORD CARD

1. DATE 27 September 1962	2. LOCATION Chicago, Illinois	12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other_____ ☒ Insufficient Data for Evaluation ☐ Unknown
3. DATE-TIME GROUP Local_____ GMT 27/2255Z	4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	
5. PHOTOS ☐ Yes ☒ No	6. SOURCE Civilian	
7. LENGTH OF OBSERVATION not reported	8. NUMBER OF OBJECTS not reported	9. COURSE NE
10. BRIEF SUMMARY OF SIGHTING Bright round object with rays moving slowly to the NE.	11. COMMENTS Insufficient data for analysis.	

ATIC FORM 329 (REV 26 SEP 52)

COMBAT READINESS TRAINING OPERATIONS
64TH TROOP CARRIER SQUADRON, MEDIUM (RESERVE)
UNITED STATES AIR FORCE
O'HARE INTERNATIONAL AIRPORT
Chicago 66, Illinois

REPLY TO
ATTN OF: CRT

2 October 1962

SUBJECT: Unidentified Flying Objects

TO: Air Force Systems Command
Foreign Technology Division
Wright-Patterson AFB, Ohio

1. The following information as outlined in Paragraph 15, AFR 200-2 is submitted for your information.

a. Description of the Object(s):
1. Bright
2. Round w/rays
3. Moving slowly
4.
5.
6.
7.
8.
9.

b. Description of Course of Object(s):

1. Slow north east
2.
3.
4.
5.
6.

c. Manner of Observation:

1. Naked eye
2.
3.

d. Time and Date of Sighting:

1. 2225
2. 27 Sep 62

e. Location of Observer(s):
9212 Ind Ave (Residence)

f. Identifying Info on Observer(s):

1. [redacted]
2. w/family

g. Weather and Winds

1. Calm
2. Clear
3.
4.
5.
6.
7.

h.

i.

j.

k.

l.

Thomas A. Hilquist
THOMAS A. HILQUIST
Base Operations Officer

AT 04.56 AM SEPT.28 NORTH OF CITY, 72 DEGREES ABOVE HORIZON MOVING SE
AT 05.01 AM SEPT.28 SOUTH OF CITY, 51 DEGREES ABOVE HORIZON MOVING SE
AT 01.43 PM SEPT.28 SOUTH OF CITY, 07 DEGREES ABOVE HORIZON MOVING NE
AT 05.41 AM SEPT.29 NORTH OF CITY, 68 DEGREES ABOVE HORIZON MOVING SE
AT 05.46 AM SEPT.29 SOUTH OF CITY, 73 DEGREES ABOVE HORIZON MOVING SE
AT 05.16 AM SEPT.30 NORTH OF CITY, 87 DEGREES ABOVE HORIZON MOVING SE
AT 05.17 AM SEPT.30 SOUTH OF CITY, 25 DEGREES ABOVE HORIZON MOVING SE
AT 10.00 PM SEPT.30 SOUTH OF CITY, 26 DEGREES ABOVE HORIZON MOVING NE
AT 04.45 AM OCT..01 NORTH OF CITY, 75 DEGREES ABOVE HORIZON MOVING SE
AT 05.01 AM OCT..01 SOUTH OF CITY, 46 DEGREES ABOVE HORIZON MOVING SE

1 CHICAGO, ILL. LOCAL STANDARD TIME

AT 02.32 AM SEPT.25 NORTH OF CITY, 67 DEGREES ABOVE HORIZON MOVING SE
AT 04.26 AM SEPT.25 SOUTH OF CITY, 83 DEGREES ABOVE HORIZON MOVING SE
AT 01.26 AM SEPT.26 NORTH OF CITY, 67 DEGREES ABOVE HORIZON MOVING NE
AT 03.21 AM SEPT.26 NORTH OF CITY, 82 DEGREES ABOVE HORIZON MOVING SE
AT 02.47 AM SEPT.27 NORTH OF CITY, 73 DEGREES ABOVE HORIZON MOVING SE
AT 04.52 AM SEPT.27 SOUTH OF CITY, 58 DEGREES ABOVE HORIZON MOVING SE
AT 01.52 AM SEPT.28 NORTH OF CITY, 68 DEGREES ABOVE HORIZON MOVING SE
AT 03.36 AM SEPT.28 SOUTH OF CITY, 78 DEGREES ABOVE HORIZON MOVING SE
AT 03.51 AM SEPT.29 NORTH OF CITY, 85 DEGREES ABOVE HORIZON MOVING SE
AT 05.08 AM SEPT.29 SOUTH OF CITY, 32 DEGREES ABOVE HORIZON MOVING SE
AT 04.50 AM SEPT.29 SOUTH OF CITY, 16 DEGREES ABOVE HORIZON MOVING NE
AT 02.46 AM SEPT.30 NORTH OF CITY, 75 DEGREES ABOVE HORIZON MOVING SE
AT 04.31 AM SEPT.30 SOUTH OF CITY, 53 DEGREES ABOVE HORIZON MOVING SE
AT 04.53 PM SEPT.30 SOUTH OF CITY, 01 DEGREES ABOVE HORIZON MOVING NE
AT 03.15 AM OCT..01 SOUTH OF CITY, 74 DEGREES ABOVE HORIZON MOVING SE

1 CLEVELAND, OHIO LOCAL STANDARD TIME

AT 03.34 AM SEPT.25 NORTH OF CITY, 68 DEGREES ABOVE HORIZON MOVING SE
AT 05.38 AM SEPT.25 SOUTH OF CITY, 71 DEGREES ABOVE HORIZON MOVING SE
AT 02.49 AM SEPT.26 NORTH OF CITY, 66 DEGREES ABOVE HORIZON MOVING SE
AT 04.43 AM SEPT.26 NORTH OF CITY, 89 DEGREES ABOVE HORIZON MOVING SE
AT 01.43 AM SEPT.27 NORTH OF CITY, 86 DEGREES ABOVE HORIZON MOVING NE
AT 03.40 AM SEPT.27 NORTH OF CITY, 77 DEGREES ABOVE HORIZON MOVING SE
AT 06.36 PM SEPT.27 SOUTH OF CITY, 08 DEGREES ABOVE HORIZON MOVING NE
AT 02.34 AM SEPT.28 NORTH OF CITY, 70 DEGREES ABOVE HORIZON MOVING SE
AT 04.58 AM SEPT.28 SOUTH OF CITY, 66 DEGREES ABOVE HORIZON MOVING SE
AT 1.55 AM SEPT.29 NORTH OF CITY, 66 DEGREES ABOVE HORIZON MOVING SE
AT 04.03 AM SEPT.29 SOUTH OF CITY, 85 DEGREES ABOVE HORIZON MOVING SE
AT 06.1 PM SEPT.29 SOUTH OF CITY, 28 DEGREES ABOVE HORIZON MOVING NE
AT 03.06 AM SEPT.30 NORTH OF CITY, 80 DEGREES ABOVE HORIZON MOVING SE
AT 03.16 AM SEPT.30 SOUTH OF CITY, 40 DEGREES ABOVE HORIZON MOVING SE
AT 07.58 PM SEPT.30 SOUTH OF CITY, 11 DEGREES ABOVE HORIZON MOVING NE
AT 02.13 AM OCT..01 NORTH OF CITY, 72 DEGREES ABOVE HORIZON MOVING SE
AT 03.18 AM OCT..01 SOUTH OF CITY, 62 DEGREES ABOVE HORIZON MOVING SE

1 DES MOINES, IOWA LOCAL STANDARD TIME